

ABSTRACT

A high integrity process is provided to apply pilot phase rates to call processing decisions. An estimate or measurement of the rate of change of a pilot's PN phase offset is used to assist in making CDMA call processing decisions. The phase rate is a measure of the rate of change of a pilot's PN phase offset relative to a mobile time reference and is directly related to the multipath environment and movement of the mobile. Both an integrity algorithm to compute an integrity indicator and a technique to apply the integrity indicator to predict future pilot strengths are included.

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